



# Biology Toolkit: Indicator 1.5.1

Student Handout: Biology: Indicator 1.5.1

## Goal 1.0 Skills And Processes

Expectation 1.5 The student will use appropriate methods for communicating in writing and orally the processes and results of scientific investigation.

Indicator 1.5.1 The student will demonstrate the ability to summarize data (measurements/observations).

## Public Release - Selected Response Item - Released in 2008

Biology Indicator 1.5.1

Use the information and the graph below to answer the following item.

A group of students measured the volume of air they exhaled during three different activities: sitting, walking, and running. The volume of exhaled air is directly related to the amount of carbon dioxide produced. The data the students collected are summarized in the graph below.

According to the data, as physical activity increases, the amount of carbon dioxide produced

- A. decreases
- B. increases
- C. remains constant
- D. decreases, then increases

Correct Answer

B. increases

## Item

Use the information and the graph below to answer the following item.

A group of students measured the volume of air they exhaled during three different activities: sitting, walking, and running. The volume of exhaled air is directly related to the amount of carbon dioxide produced. The data the students collected are summarized in the graph below.

According to the data, as physical activity increases, the amount of carbon dioxide produced

- A. decreases
- B. increases
- C. remains constant
- D. decreases, then increases